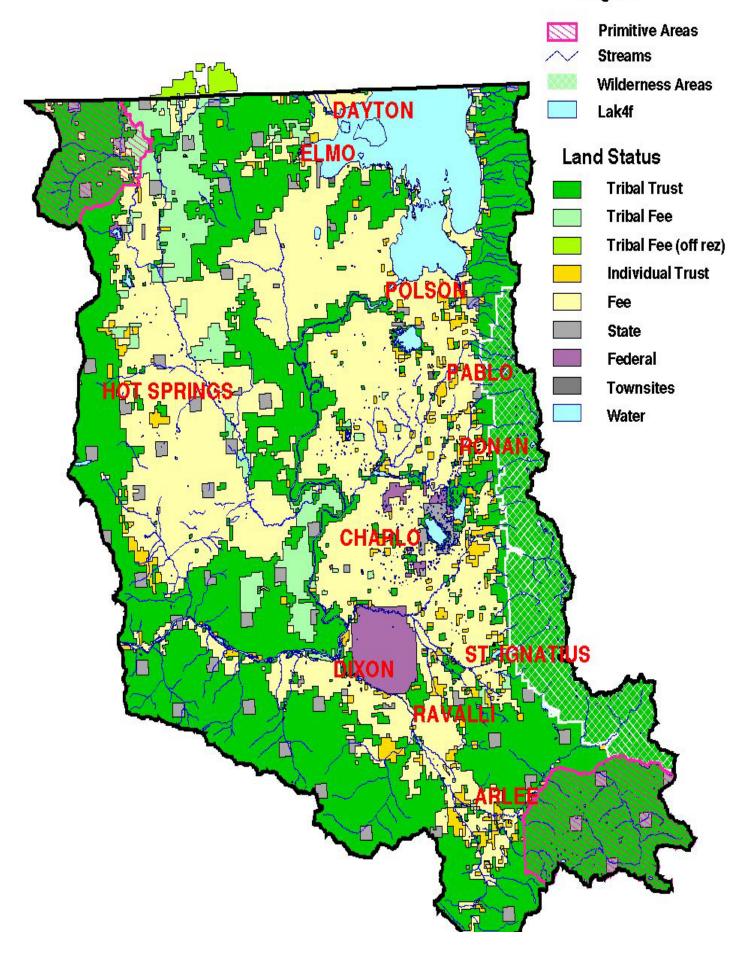
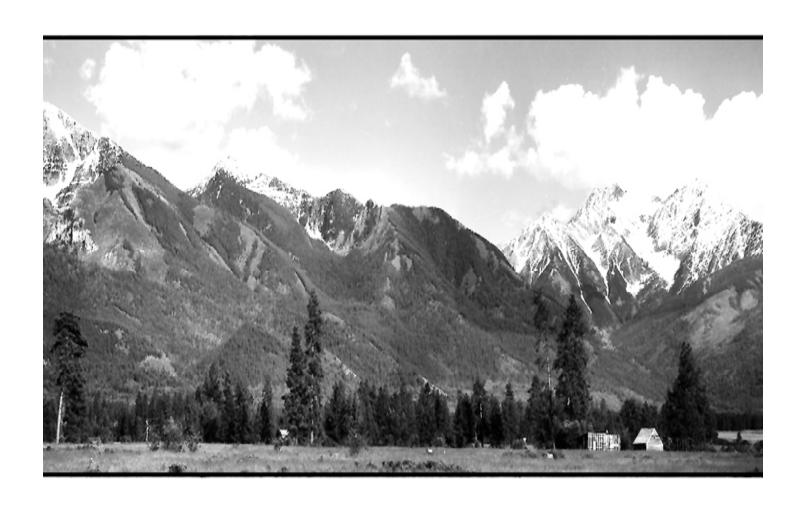
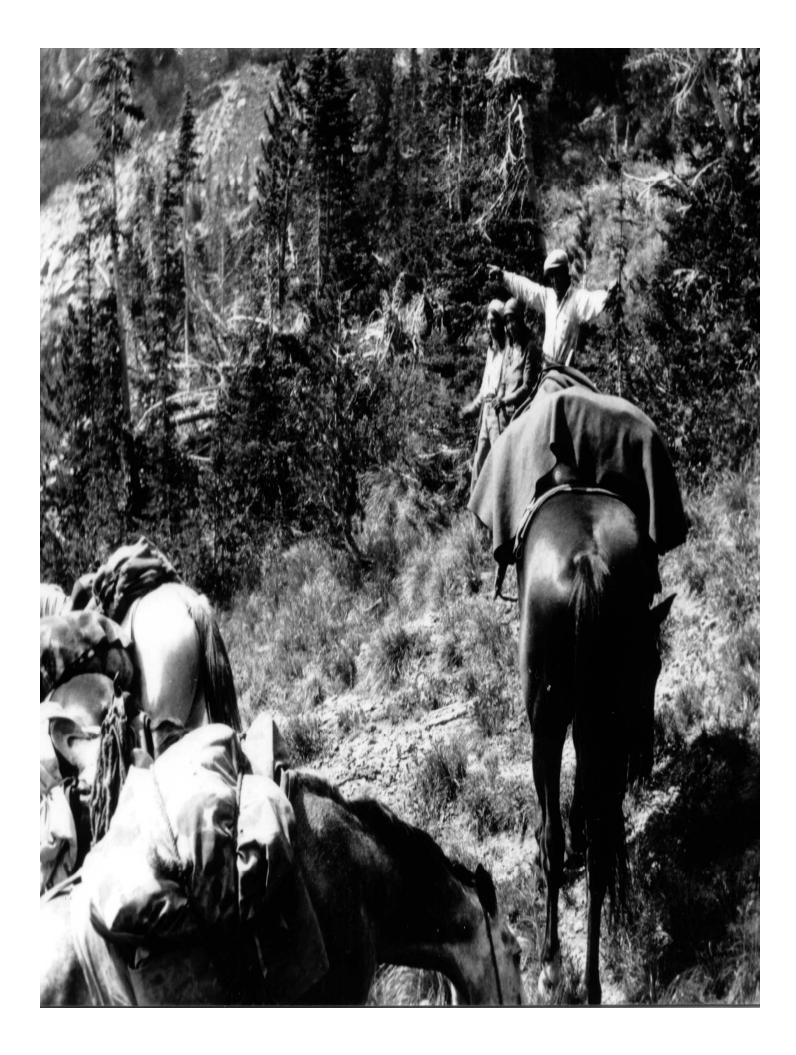


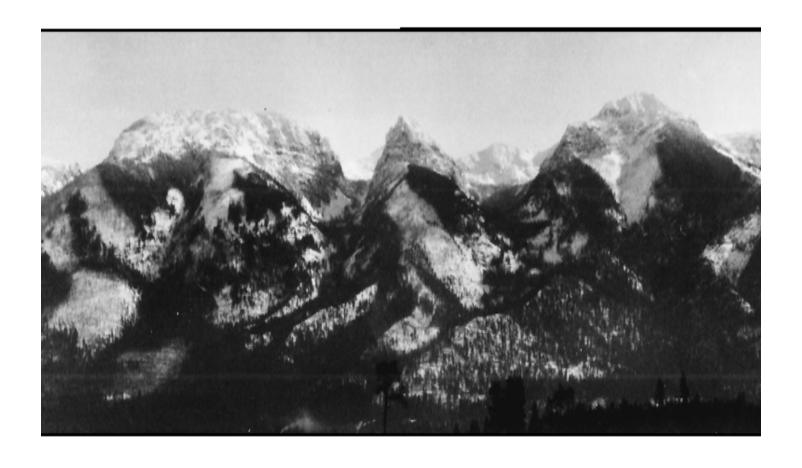
Legend



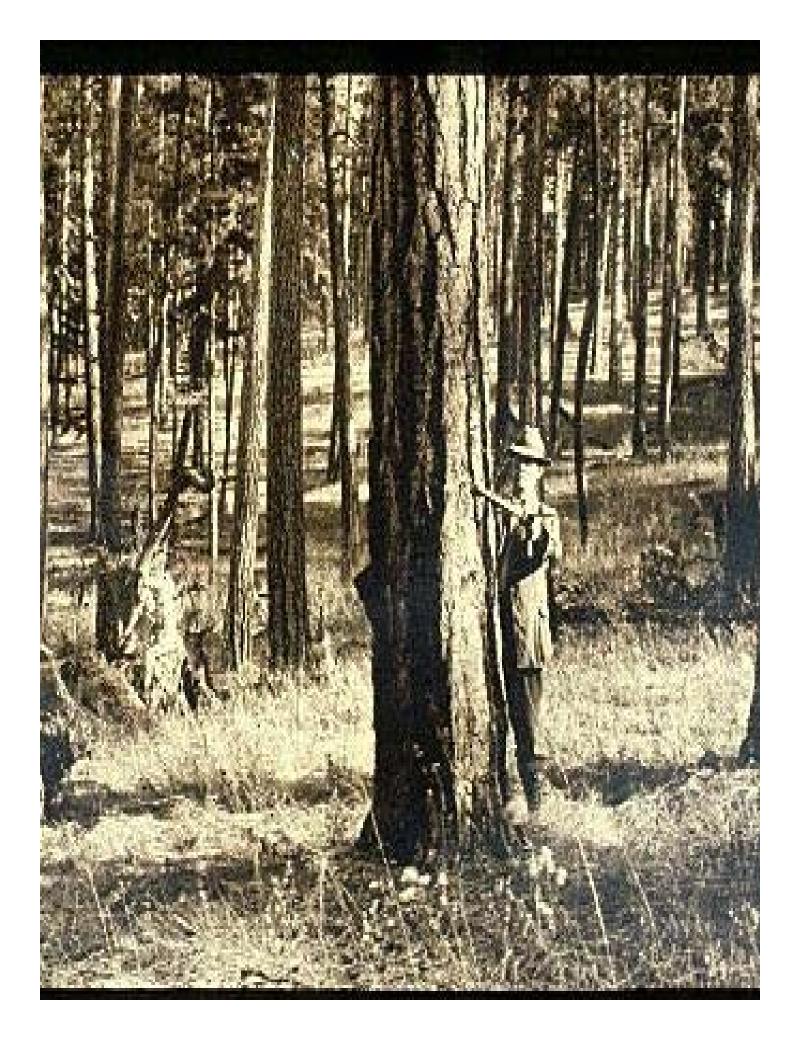






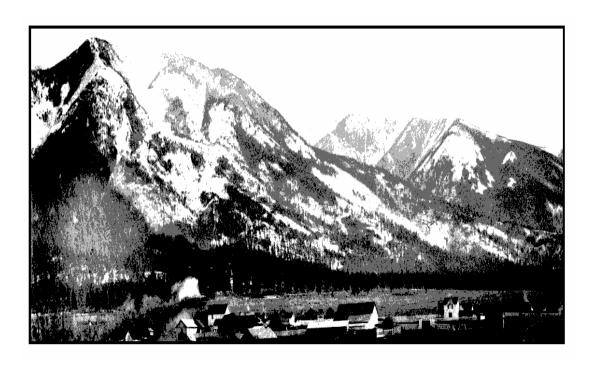






Our basic Premise:

To manage for diverse and sustainable forests, we must maintain and restore the processes, structures, and functions under which our forests evolved.



Based on this premise

We tried to develop management strategies that would reproduce or mimic key structures and processes.

Overview of the Plan

The primary goal of the plan is to balance the restoration of pre-European forest conditions with the needs of sensitive species and human uses.

- Silvicultural treatments will reverse the effects of fire exclusion and past undesirable forest practices.
- Prescribed fire is a major tool.
- Harvesting will mimic natural disturbances where possible.
- The plan will restore some grasslands, woodlands, and riparian zones; reduce livestock impacts; reduce road densities; protect some roadless areas from roading; and designate some new wilderness.

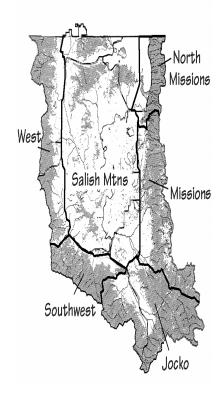
Scale and Timing

Timber removal is intended to mimic natural disturbances, and therefore it should occur at a frequency and on a scale comparable to that of natural disturbances.

- Frequent, minor disturbances in the Nonlethal Fire Regime (uneven-aged silvicultural systems)
- Larger and infrequent disturbances in the Mixed and Lethal Fire Regimes (evenaged systems)

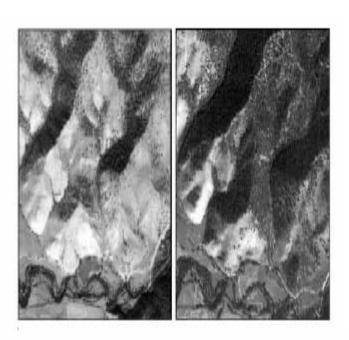
A Landscape Scale

- We tried to view the entire forest as the context for management rather than the individual parts.
- So the plan is designed to provide conditions within and across *landscapes* that mimic natural processes.



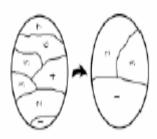
The need for a management change: Forest Trends

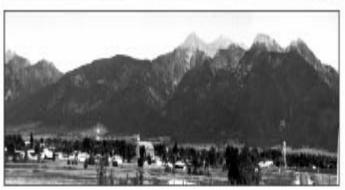
1.
Encroachment:
forest
expansion
onto
grasslands



2. Loss of diversity







Forest Trends

3 & 4.
Shifts in spp.
composition
and stand
structure.

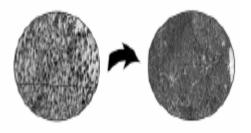




5. Increase in density



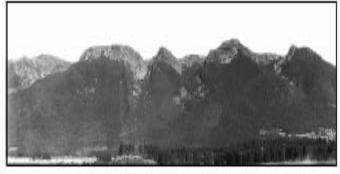




Forest Trends

6.
Changes in patch size and edge.





7.
Shifts in ages and sizes of trees (at low elevations).





Forest Trends

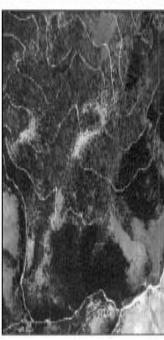
8.
Shifts in ages and sizes of trees (at high elevations)





9. Increases in roads and human development

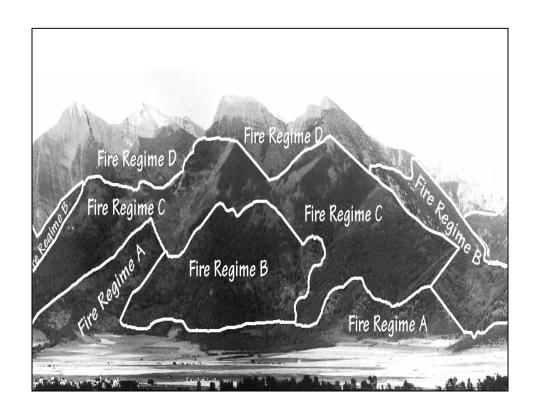




Some Ecosystem Management Terms

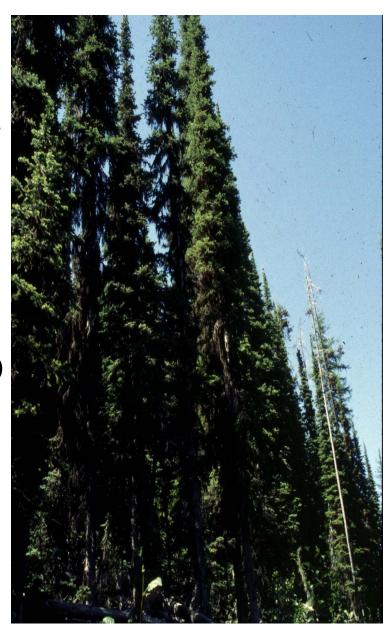
Fire Regimes

We identified four major fire regimes: *nonlethal*, *mixed*, *lethal*, *and timberline*.



LETHAL FIRE REGIME

- LONG FIRE RETURN INTERVAL OF 75-300+ YEARS
- FOUND ON
 MAINLY HIGH
 ELEVATIONS,
 NORTH
 ASPECTS
- ABOUT 300,000 ACRES
- WILDLAND FIRE USE OPTIONS







MIXED FIRE REGIME

HISTORIC FIRE RETURN
 INTERVAL 5 –
 50 YEARS

 FOUND AT LOWER TO MID ELEVATIONS, ON ALL ASPECTS

• ABOUT 200,000 ACRES

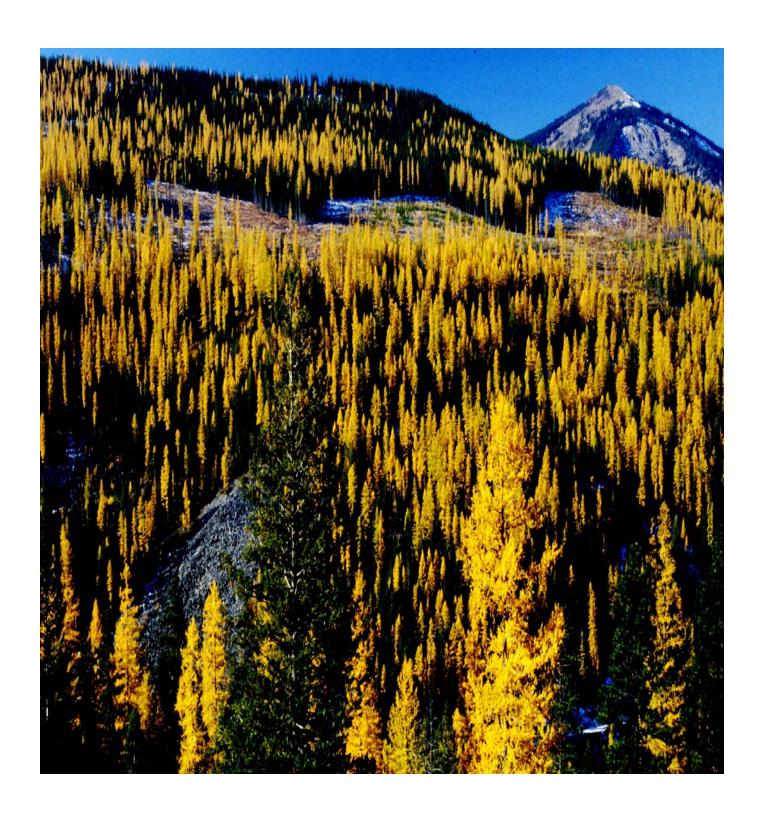
FIRE
 EXCLUSION
 HAS HAD
 ADVERSE
 EFFECTS (LOSS
 OF DIVERSITY)











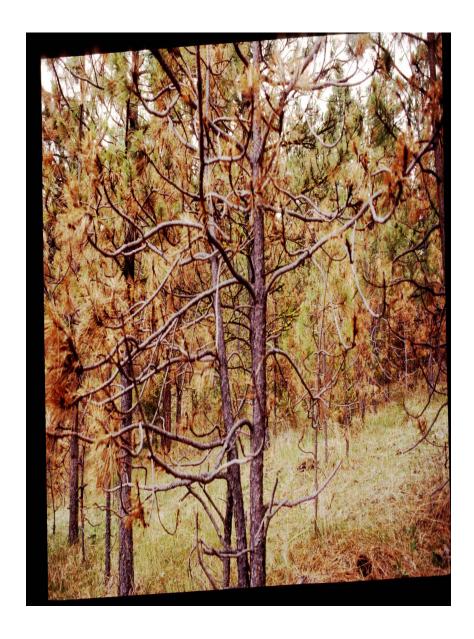
NON-LETHAL FIRE REGIME

- HISTORIC FIRE RETURN INTERVAL 3 – 15 YEARS
- FOUND ON LOWER
 ELEVATION,
 EAST TO WEST
 ASPECTS
- ABOUT 120,000 ACRES
- FIRE
 EXCLUSION
 HAS HAD
 ADVERSE
 EFFECTS



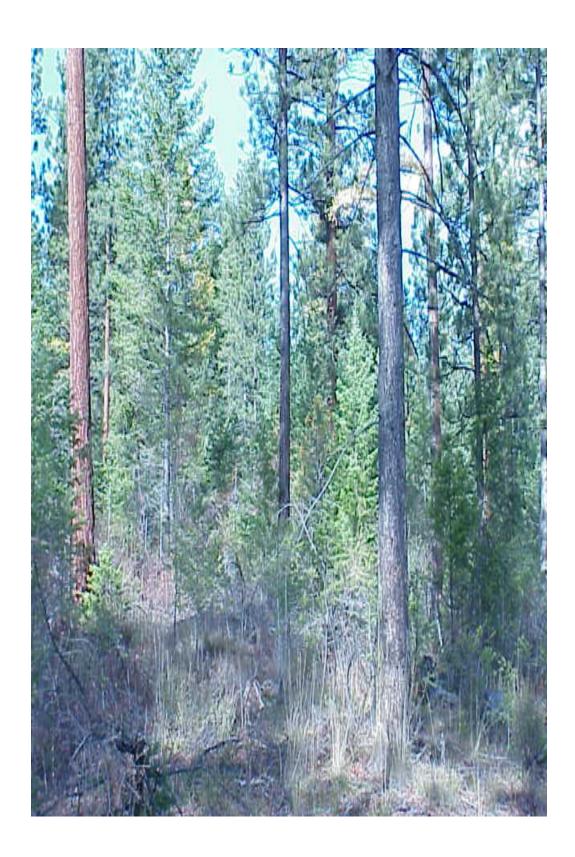


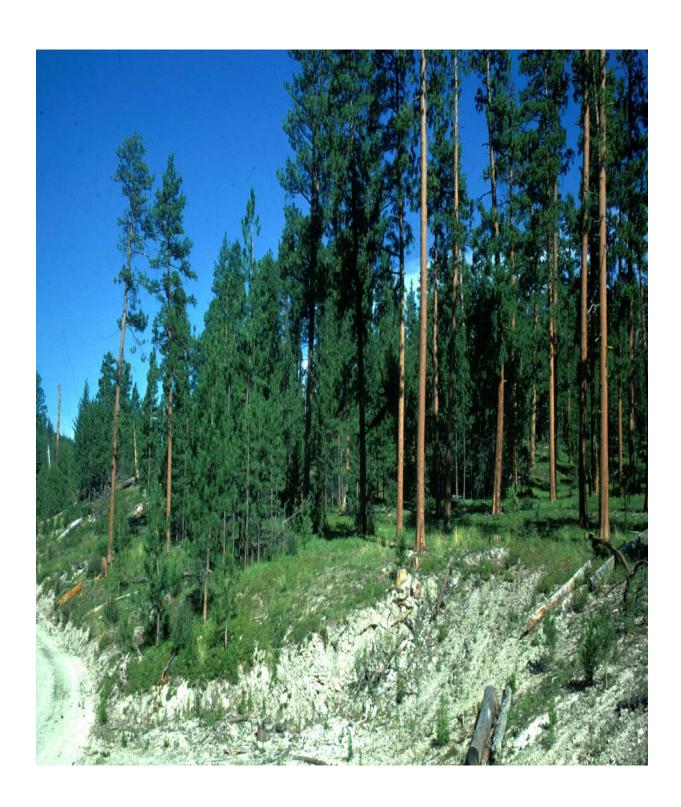
FOREST HEALTH

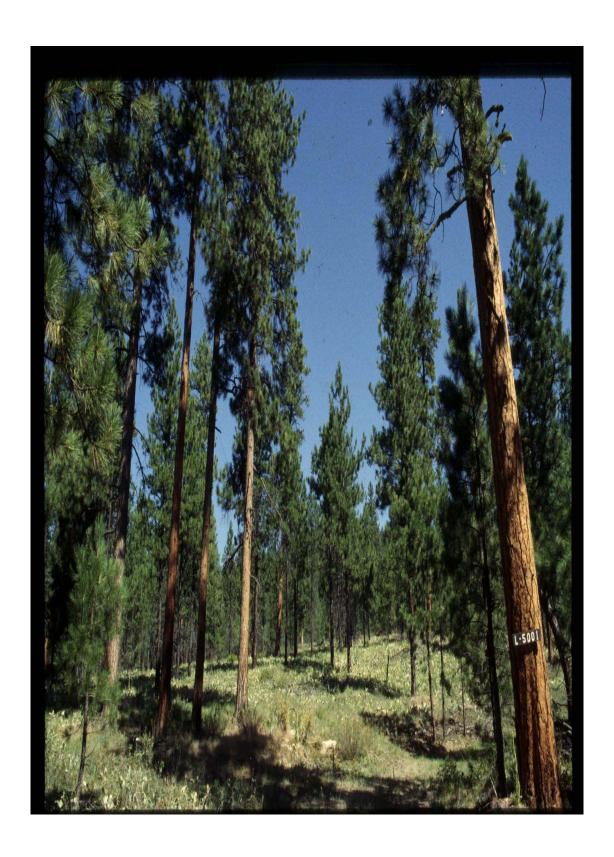


WILDLIFE

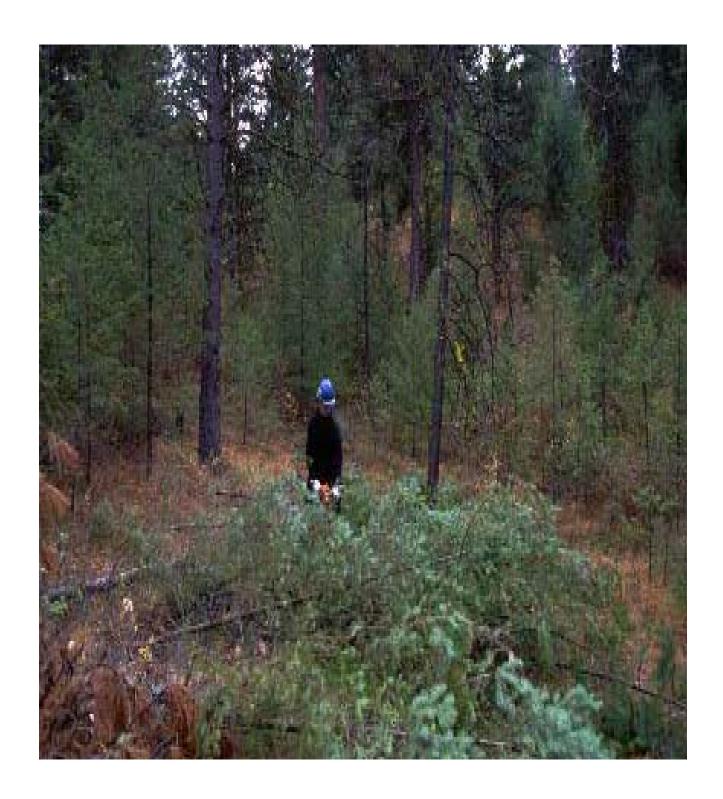


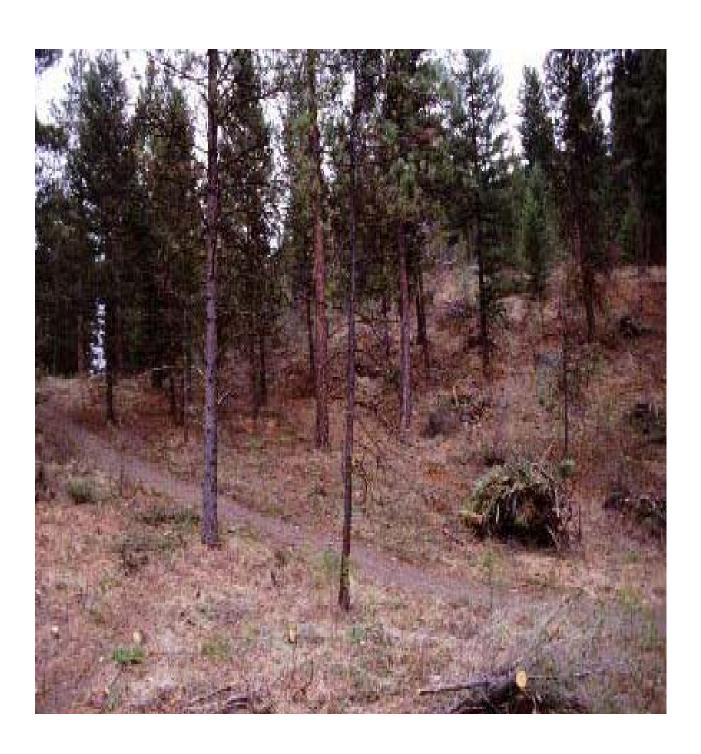




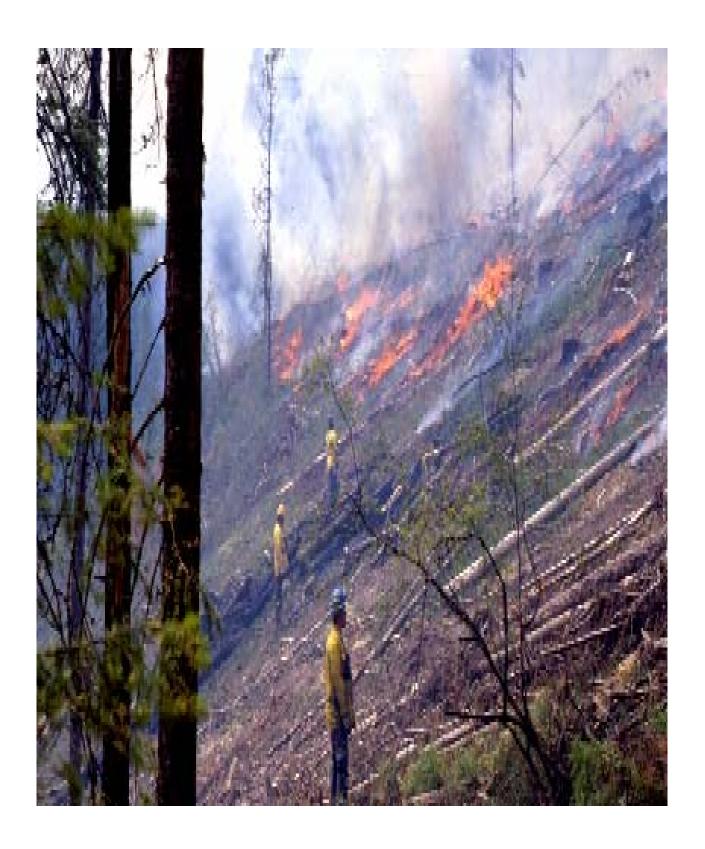










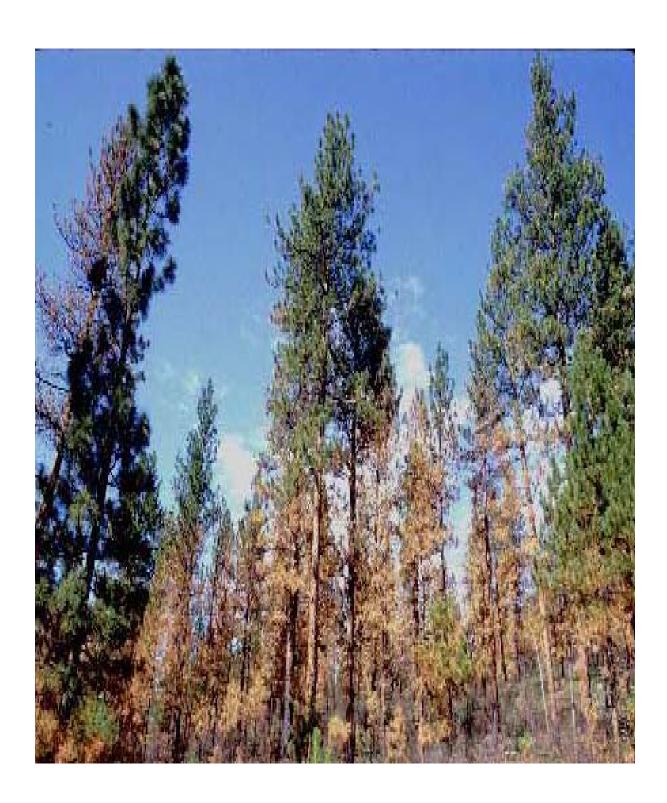












CULTURAL







ADAPTIVE MANAGEMENT

- Planning
- Action
- Monitor
- Evaluate



Our process involved four basic steps:

- 1. Modeling the forest structures that existed prior to European settlement,
- 2. Analyzing the conditions that exist today,
- 3. Analyzing the changes, determining the kinds of conditions that are sustainable and desirable, and
- 4. Developing a strategy to achieve those conditions.